

6025154

10 30 50
GTGAGATGGTCTTCATGAATTCCCCAACAGAGCCAAGCTCTCCATCTAGTGGACAG
70 90 110
GGAAGCTAGCAGCAAACCTCCCTCACTACGAAACTTCATTCCCTGGCCAAAAGAGAG
130 150 170
TTAATTCAATGTAGACATCTATGTAGGCAATTAAAACCTATTGATGTATAAAACAGTT
190 210 230
GCATTCAATGGAGGCCAACTAAATACATTCTAGGACTTTATAAAAGATCACTTTTATTAA
250 270 290
TGCACAGGGTGGAAACAAGATGGATTATCAAGTGTCAAGTCCAATCTATGACATCAATTAT
M D Y Q V S S P I Y D I N Y
310 330 350
TATACATCGGAGCCCTGCCAAAAATCAATGTGAAGCAAATCGCAGCCCGCCTCCTGCCCT
Y T S E P C P K I N V K Q I A A R L L P
370 390 410
CCGCTCTACTCACTGGTGTTCATCTTGGTTTGTGGCAACATGCTGGTATCCTCATC
P L Y S L V F I F G F V G N M L V I L I
430 450 470
CTGATAAAACTGCCAAAGGCTGGAGAGCATGACTGACATCTACCTGCTCAACCTGGCCATC
L I N C Q R L E S M T D I Y L L N L A I
490 510 530
TCTGACCTGTTTCCCTTACTGTCCCCCTGGCTCACTATGCTGCCGCCAGTGG
S D L F F L L T V P F W A H Y A A A Q W
550 570 590
GACTTTGAAATACAATGTGTCACCTTGACAGGGCTCTATTTATAGGCTTCTCT
D F G N T M C Q L L T G L Y F I G F F S
610 630 650
GGAATCTCTTCATCATCCTCTGACAATCGATAGGTACCTGGCTATGTCATGCTGTG
G I F F I I L L T I D R Y L A I V H A V
670 690 710
TTTGCTTAAAGCAGGACGGTACCTTGGGTGGTACAAGTGTGATCACTGGTG
F A L K A R T V T F G V V T S V I T W V
730 750 770
GTGGCTGTTGGTCTCTCCAGGAATCATCTTACCAAGATCTCAAAAGAAGGTCTT
V A V F A S L P G I I F T R S Q K E G L
790 810 830
CATTACACCTGCAGCTCTCATTTCCATACAGTCAGTATCAATTCTGGAAAGAATTCCAG
H Y T C S S H F P Y S Q Y Q F W K N F Q
850 870 890
ACATTAAGATAGTCATCTGGGCTGGTCTGCCGTGCTTGTATGGTCATCTGCTAC
T L K I V I L G L V L P L L V M V I C Y
910 930 950
TCGGGAATCCTAAAAACTCTGCTTGGTGTGAAATGAGAAGAGGCCACAGGGCTGTG
S G I L K T L L R C R N E K K R H R A V

FIG.1A

970 990 1010
AGGCTTATCTTACCATCATGATTGTTATTTCTCTTCTGGCTCCCTACAACATTGTC
R L I F T I M I V Y F L F W A P Y N I V
1030 1050 1070
CTTCTCTGAACACCTCCAGGAATTCTTGGCCTGAATAATTGCACTAGCTCTAACAGG
L L L N T F Q E F F G L N N C S S S N R
1090 1110 1130
TTGGACCAAGCTATGCAGGTACAGAGACTCTTGGATGACCCACTGCTGCATCAACCCC
L D Q A M Q V T E T L G M T H C C I N P
1150 1170 1190
ATCATCTATGCCTTGTGGGGAGAAGTCAGAAACTACCTCTTAGTCTTCTTCCAAAAG
I I Y A F V G E K F R N Y L L V F F Q K
1210 1230 1250
CACATTGCCAAACGCTTCTGCAAATGCTGTTCTATTTCCAGCAAGAGGCTCCGAGCGA
H I A K R F C K C C S I F Q Q E A P E R
1270 1290 1310
GCAAGCTCACTTACACCCGATCCACTGGGAGCAGGAAATATCTGTGGCTTGTGACAC
A S S V Y T R S T G E Q E I S V G L *
1330 1350 1370
GGACTCAACTGGGCTGGTACCCAGTCAGACTGTCCACATGGCTAGTTTCATACACA
1390 1410
CCCTGGGCTGGGGTGGGTGGAAGAGGTCTTT

FIG.1B

4 QVSSPIYDINYYTSEPCPKINVQIAARLLPPLYSLVFIGFVGMLVIL 53
: | | | | |
18 EEVTTFFDYDY.GAPCHKFDVKQIGAQLLPPLYSLVFIGFVGMLVVL 65

54 ILINCQRLESMTDIYLLNL AISDLFFLTVPFWAHYAAAQWDFGNTMCQL 103
| | | | | |
66 ILINCKKLKCLTDIYLLNL AISDLFLITLPLWAHSANEWVFGNAMCKL 115

104 LTGLYFIGFFSGIFFIILLTIDRYLAIHVAFALKARTVTFGWVTSVITW 153
: | | | | |
116 FTGLYHIGYFGGIFFIILLTIDRYLAIHVAFALKARTVTFGWVTSVITW 165

154 VVAVFASLPGIIIFTRSQKEGLHYTCSSHFPYSQYQFWKNFQTLKIVILGL 203
: | | | | |
166 LVAVFASVPGIIFTKCQKEDSVVVCGPYFPRG...WNNFHTIMRNILGL 211

204 VLPLLVMVICYSGLKTLRRCRNEKKRHRRAVRLIFTIMIVYFLWAPYNI 253
| | | | | |
212 VLPLLIMVICYSGLKTLRRCRNEKKRHRRAVRVIFTIMIVYFLWTPYNI 261

254 VLLLNTFQEFFFGLNNCSSSNRLDQAMQVTETLGMTHCCINPIIYAFVGEK 303
: | | | | |
262 VILLNTFQEFFFGLSNCESTSQLDQATQVTETLGMTHCCINPIIYAFVGEK 311

304 FRNYLLVFFQKHIAKRFCKCCSIFQQEAPERASSVYTRS...TGEQEISV 350
| | | | | |
312 FRSLFHIALGCRIA.PLQKPVCCGPVPGKNVKVTQGLLDGRGKGKS 360

351 G 351
|
361 G 361

FIG.2